



# Construction Work

## Mechanical/Floor Modules

### PRIORITY MODULES

- Based on ROS of balance of ship loose, see Procurement slides for details

#### **A. KB11, RFH: 09/23/16\***

- (Working) Install Vessels, Piping, & Piping Anchors, EF: 09/20/16
- (Engineering) VS3-KB11-GNR-000002 -- KB11 Vessel As Built Discrepancies, ETA: TBD

#### **B. KB12, RFH: 09/09/16\***

- (Working) Cannon Sline, Sandblast and Paint, EF: ~~08/08/16~~ 08/11/16

#### **C. R151, RFH: 09/02/16\***

- (Working) Install Duct & Supports, EF: 08/12/16
- (Working) Install Piping & Pipe Supports, EF: 08/24/16



# Construction Work

## Turbine Building/BOP Unit 2

### Construction

#### A. TB First (1<sup>st</sup>) Bay

1. RAI #2&3 - Con. completed 31, 2 more to be done (consultant at site this week to perform assessment and Non Destructive Testing)  
Potential of 12 more cores pending consultant review this week.
2. 90% analysis & Final report TBD

#### B. Subcontract (# 2432) Issuance of Turbine Generator Center Line Erection: 8-31-16

#### C. Subcontract (# 1203) Fire Protection/Fire Detection Systems: Kick Off meeting 8-18.

#### D. NASS Transformer Dress Out Work started 5-20-16 Finish 9-16-16

1. ET05 - oil fill (Need 150 gal to top off) 8-3
2. ET04B - Vacuum start 8-7 oil fill 8-9 begin at 6:00 pm
3. VS3-ET02-GNR-000006 Frame support weld crack **(Target Solution 8-12)**
4. VS3- ET01-GNR-000003 ET01C Cooler Control Cabinet Dropped During Loading - TBD **(Need Delivery Date of Replacement Cabinet)**

**Notes:** Oil fill and testing activities start (tracked in the schedule)

#### E. Equipment

1. Rig and Set Deaerator TBD (dependent on HLD availability) – Lift Plan Needed
2. 286/486 Fixators suspended per N &D on grout breaks
3. Rig & Set: DTS-MS Systems (7 Units) 8-5 On location, need bushing and anchor bolt drilled holes
4. Rig & Set: LOS-MP-05 \_ Oil Transfer Pump 8-12
5. Elevation 140' east sit concrete placement 8-8 Night Shift

#### F. Engineering

1. VS2-ME01-GNR-000166 8-8 Toshiba
2. VS2-ME01-GNR-000171 Overlay Welding 8-12 - TBD Toshiba
3. VS2-CC01-GNR-000404 Fixator Grout Breaks 8-8 **(CND 8-2) -- Eng. needs to expedite this date**
4. VS2-CR01-GNR-000476 Oil Storage Tank Pads TBD RAI
5. VS2-CE50-GEF-000045 Pipe Sleeve and beam clash CND 8-5 (PRIORITY)
6. VS2-SS01-GEF-000076 Horizontal Bracing Weld Call out CND 8-9



# Construction Work

## Turbine Building Unit 3:

### Construction

#### A. Condensers A, B & C - In Progress Work

#### B. Installation

1. Rig & Set Condenser Lower A, B & C TBD (these lifts are tied to HLD) WELD DOC CLOSURE - Readiness Review Needed
2. Rig & Set Condenser Upper A, B & C TBD
3. Rig and Set Condensate Pumps WIP 8-10

#### C. Engineering

1. VS3-ME01-GNR-000032 Weld Defects in Extraction Steam Pipe 8-12 (CND : 7-22) – Toshiba
2. Engineering to provide design completion status of underground site specific systems outside of TB and transformer areas - 8-10
3. VS3-SS01-GNR-000028 Leveling Plate for P3 Placement CND 8-12
4. VS3-CDS-MEK-800054 Need Weld Docs for additional extraction pipe CND 8-10
5. VS3-CDS-MEK-800055 Need Weld Docs for additional extraction pipe CND 8-10



# Construction Work

## Nuclear Island Unit 3

### *Shield Building*

- A. Layer F1 Floor El 90'-6" to 92'-6", Line 7.3 to Az 142, Placement Date - 8-29-16**
- B. F1 Inside Wall – Q-Line to Line 7.3 – Placement Date - 9-29-16**
  - 1. VS3-CR01-GEF-000112 Circumferential #11 Bar Clarification (CND 8-10) 8-10-16
- C. Layer E1-E2 - N-Line to Q-Line El 87'-6" to 96'6" Placement Date - 10-7-16 (Preliminary)**

### *Containment Building*

- A. Layer 3 EL 83'/84'-6" Placement Date - 10-1-16 (Preliminary)**
  - 1. VS3-CA05-GNR-000007 - CA05 B-Plate As-Built Elevations – (CND 8-19-16) – 8-19-16

### **Backfill**

- A. Install Grounding Grid at El 77' – West Side – 11-Line to 1-Line
- B. Backfill up to El 78'-6" – West Side – 11-Line to 1-Line
  - 1. VS3-AT01-GNR-000009 U3 Waterproofing blisters Q-Line & SB lower mudmat -- TBD
- C. Install Contingency Dewatering Well – Southwest corner of 1-Line and N-Line for Groundwater Control
- D. Install Remainder of French Drain from Dewatering Well, along 1 Line (N to I-Line) and I-Line (1 to 5 Line)





# Construction Work

## Nuclear Island Unit 3

### **Auxiliary Building**

#### **A. Line J1 – El 66'-6" – 82'-6" – Concrete Hold**

1. e-Fin 14183 - CA22 Rebar – Resolving comments for E&DCR/N&D 08-08-16 @ risk
2. VS3-1214-GNR-000002 – HVAC penetration non-conformance (CND 8-08-16) – 8-08-16
3. VS3-CC01-GEF-000078 – Lower CJ on Line J1 – 8-12-16

#### **B. L, M, & Partial 9.3-Line Walls EL 82'-6" to El 100' Placement – 8-15-16**

#### **C. Miscellaneous**

##### **1. Concrete Repairs Needed for Coating**

- a. VS3-CC01-GNR-000240 – Rm 12112 repair on K-Line – 8-31-16
- b. VS3-CC01-GNR-000245 – Repairs per VS3-CC01-ZO-031 & VSG-CC01-GEF-000281 8-10-16
- c. VS3-1020-GNR-000002 – Annulus Basemat Thickness OOT – 8-09-16
- d. VS3-CC01-GNR-000248 – Concrete repair, Area 2 E: 82'-6" Interior SB corner 8-10-16
- e. VS3-CC01-GNR-000249 – Low Cube Breaks - Areas 1&2 & AB holes Rms 12103/4 8-10-16

#### **D. Concrete Coating for Area 3 – El 66'-6" – 82'-6" - Support installation of KB04, KB14, KB15, KB16 and R155**

#### **E. Concrete Floor Sloping for Area 4 – El 66'-6" – Follows J1 and Line 4 concrete pours - Support KB 11 and KB12 installation**

**CA20 (SubMods 1 & 2) Lift & Set – See MAB Page for latest date**

**CA20 (Submods 3&4)**

- #### **A. VS3-CA20-GNR-000052 - CA20 Spent Fuel Pool North Wall – TBD**



# Construction Work

## Site Specific

### **A. Unit 2 Cooling Towers:**

1. Repair Pump Structure Cooling Tower Walls
  - a) U2B CT West Side – 8/12/16
  - b) U2B CT East Side – 8/12/16
  - c) U2A CT West Side – 8/12/16
  - d) U2A CT East Side – 8/12/16
2. Pour Fillets and Splitters – TBD (28 day breaks on 8/10/16)

### **B. Unit 3 Cooling Towers:**

1. Pour B, D and Curtain Walls – 9/16/16

### **C. Power Block Support Work**

1. Backfilling TB3 west side - TBD
2. Backfilling NI3 on Nightshift – TBD
3. Excavating @ NI2 shield wall for waterproofing repair - TBD

### **D. Site Layout Changes**

1. PEB (Plant Entry Bldg. #69)
  - a) Page Turn with Awarded Contractor– TBD
    1. Update SORVD – 8/8/16
    2. Issue Req and Signatures, once Pricing is completed
2. DRS
3. YFS / PWS
4. Demo SDS under U2NI Lunch Tent, after move
5. MSE Wall Grounding, after start of MSE wall foundation

### **Engineering:**

1. VSG-CWS-GNR-000015 – RAI Vendor, Embed Issues – TBD
2. VSG-CWS-GNR-000051 – PDC 3A/B Platform Legs - TBD



# Construction Work

## Site Services

### **A. Facilities** – Modifications, setups and moves

1. Bldg. 107 (Cable Management) – Ready for Occupancy – 8/12/16

### **B. Crane Status**

1. Grove 9150 150T crane #230885 from Annex needs technician support (ETAS 09/Aug). Replaced in service w 9150 from batch plant.
2. U2/U3TI Manitowoc 16000 begins arriving on site this week.

### **C. Construction Support** – ongoing

1. U2NI Lunch Tent relocation – Tents 324 & 345 – Pressurizers relocated to new tent 324. U2NI LT needs schedule to relocate to new tent 345, Target Completion for U2NI LT to support A30 work is 04/Sep.
2. U3NI Lunch Tent scope – Tent 3 – Approved – Working E&DCR & Procurement
3. Rebar Fab Shop & Electrical Warehouse – LD2 – Design & Estimate to WEC 8/3/16 – Pending approval

### **D. General Civil Support**

1. Parking Lot 3 (PL3) Expansion II – Design
2. SWPPP for Subcontract City Expansion, Phase 9, LD12 – Engineering



# Subcontracts

## A. Evaptech

1. Continue electrical work in Tower 2A, 3A & 3B; Punch-listing mechanical in 2A & 3A

## B. Garney – RWS Intake

1. Installing formwork & rebar

## C. Garney – OWS

1. SORVD Item Resolution (14 open, 2 after 1 yr, 4 after tank repair)
  - a. Tank 3A –
    1. Flow Meter 508 Install to start – 8/8/16
    2. GNR 000029 (Clean Supply Line) – 8/11/16
  - b. Tank 3B – Drain Tank and Perform Mechanical Repairs –

## D. Garney – WWS Discharge (Permit Expires – 12/31/16)

1. Working Diffuser – Safety Pause

## E. Cannon Sline

1. CV and BOP HVAC Duct Blast and Applying Coatings in Blast Shop
2. Working NI2 Rooms as available
3. Prepping and coating and touchup miscellaneous TB2 areas
4. Paint / Blast Booth Renovations
5. NI3 – Floor Scope and area 3 coatings
6. Precast panel blast and coat
7. SPL30 – Hot Item (5 shifts)

## F. CBIS – Shield Building

1. Working Course 10, 11 & 12 @ Fit up Pad
2. Unit 3, Course 1 @ NI3 Pad. Fit up, Prep, Pipe Sleeves & Course 1 Templates

## G. ENVIROVAC

1. Cleaning Floor Drains on Night Shift
2. Mockup of HVAC Duct Interior Weld Prep (Vendor Equipment needed on order)
3. CA01





# Subcontracts

**H. Superior Air Handling**

1. Support installation in Rooms 12102, 12103, 12104, 12111 & CV
2. Preparing additional supports in shop.

**I. CA Murren – WWS - NS Permit Expiration – 12/31/16**

1. 13.8 KV Slope
  - a. Change Order complete by 8/17/16
  - b. CA Murren developing Construction Execution Plan Revision based on RFI 000021 response forecast 8/25/16

**J. CA Murren – MSE Wall**

1. Resubmit Drawings prior to Backfilling – TBD
2. RFI-16CAM.016-001 (VSG-0000-GF-000299) - TBD

**K. Gregory Electric**

1. Performing Site wide lighting maintenance
2. Warehouse 20A, 20B, 57 – Fire Alarm System (Siemen's on-site programming panels)
3. Parking Lot #3 Lights on order – ROS 8/25/2016
4. Material Storage Bldg - Complete Fire Detection System – 8/24/2016

**L. Carolina Energy Solutions (CES)**

1. **Steam Generator Brackets**
  - a. U3 NI Embeds – mob 8/15/16

**M. Transco – Reactor Cavity MRI (Metal Reflective Insulation) Package**

1. Install Mirror Insulation – 7/17/16 thru 8/27/16

**N. Myers & Chapman**

1. Complete Materials Storage Building

**O. North American Substation Services (NASS)**

1. Started 5/20/16, working transformer dress out



# High Level Actions

## A. RC01 Main Steam Flued Heads and Bellows

Owner -- Nathan Hardwick, Sponsor -- Rod Cavalieri, SCANA -- John Todd

1. Action -- Determine acceptability of bellows onsite
  - a) Main Steam Bellows -- High Confidence of Acceptance
  - b) Feed Water Bellows -- Probably not usable
  - c) Engineering Schedule for Domestic Resolution-- 08/25/2016
  - d) Issue final design specifications to Shelley for fabrication of Feed Water Bellows - 08/18/2016
2. Action - Main Steam Flued Heads on site = 09/16/2016

## B. CAR 2016-0460 Material Storage and Preventative Maintenance

CAR Owner -- Frank Eppler, Sponsor -- Carl Churchman; Issue Owner Curtis Frisbee

1. Action -- Assigned Champion shall provide documentation at a frequency determined by Senior Management for 6 months from the date the revised plan in PA-02 has been signed by Senior Management. Status updates shall include acreage gained, materials moved/scrapped, resources acquired, and general provisional releases. Owner: Frisbee Due 11/18/2016

## C. SMCI Data Pack Deficiencies -- PCC Level 1

Owner -- Marty Mastroianni; Sponsor -- Dale Garrison

1. Action - PCC, Matt Engle -- Receive final approval on SMCI path forward -- 8/12/2016

## D. LAR 90

Owner -- Frank Turbeville Sponsor -Pat Young

1. Action - Full-scope LAR submitted: 8/10/2016
2. Action - PAR request date for RC02 & Line-I -- Immediately following LAR submittal

## E. Cable Manager

Owner -- Woody Harrington ; Sponsor - Rod Cavalieri

1. Action - Provide date for when cable manager will be populated and complete - 10/31/2016



# Emergent Issues/Action Items

#	Action/Comments	Owner	Date Identified	Forecast Date	Report Out
64	132177-MSOW-15-0002 Work Hold on Containment Coatings - Partial Release	Gene Voci	1-Jan-16	19-Aug-16	9-Aug-16
95	Commercial Grade Dedication for Electrical Conduit	Brande Lunz	3-Jun-15	1-Sep-16	10-Aug-16
107	Risk Release procedure (QS 15.03) change management plan	Frank Eppler	25-Jul-16	23-Sep-16	11-Aug-16
100	ICPT: Metrics for Work Packages ready to work	Tony Boone	1-Jun-16	3-Aug-16	11-Aug-16
87	Field Purchase Requisition work process improvement	Rob Carlon	1-May-16	TBD	15-Aug-16
105	Laurens Ship-in-place trucks with valves & spools	Rob Carlon	1-Jun-16		15-Aug-16
91	HSS seam weld: CAR-2016-1146 Verification / Acceptance of HSS Seamwelds	Dan O'Loughlin	1-Oct-15	TBD	16-Aug-16
98	CAPAL 100384491 CA03 Rebar Anchor extent of condition	Dan O'Loughlin	1-Jun-16	23-Sep-16	16-Aug-16
101	Galvanized ductwork: Supports and repair coatings from welding activities	Frank Turbeville	1-Mar-16	1-Sep-16	17-Aug-16
94	Cives Steel Company - NDE and CGD Issue	Brande Lunz	22-Jul-15	31-Jul-16	17-Aug-16
106	Nova B-line electrical cable tray: 1x4 order	Brande Lunz	1-May-16	30-Aug-16	17-Aug-16
79	Maximo Implementation Status	Tony Boone	1-Feb-16	7-Nov-16	26-Aug-16





# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
1		SS01.59	Carolina Fabricator	Personnel Airlock Hatch	C. Mangelsen (F)	NI2 Shield Bldg.	RC03	5-Aug-16		MRR-35036 Quality Request 0806-0039
2		D220.00	Cives	Embeds N3/7'3" type (2)	D. Riddle (WT)	NI2 Shield Bldg.	RC05	26-Aug-16	11-Sep-16	APP-12354-PW032, 33 Drawings currently being detailed. Forecast date at risk as no fabrication has started
3		ER02.01	Shealy	Electrical Penetrations		NI2 Shield Bldg.	RC05		11-Sep-16	12354-ML-E03 & 04 - 4" Conduit - onsite - Confirming CGD
4		D220.00	Cives	6 remaining D05 plates for frame	D. Riddle (WT)	NI2 Shield Bldg.	RC05	28-Sep-16	11-Sep-16	APP-12351-CE-PW797, 580-583 - Issued to shop.
5		D220.00	Cives	Manway Hatch Embeds per APP-1000-GEF-198 & 1237-CE-201	D. Riddle (WT)	NI2 Shield Bldg.	RC05		11-Sep-16	APP-12351-CE-PW584 - Subbed to Dubose. Cives PCMK 12351-PW796 APP-12351-CE-PW585 - CA 187 - Pricing submitted. Cives to procure material upon PO award. Buyer to issue PO CO. Material lead time 3-4 weeks. Fab can begin immediately upon receipt of materials and approved shop drawings. No fab duration provided at this time
6		D220.00	Cives	Blast Door Embeds APP-12341-CE-PF701, 702, & 703	D. Riddle (WT)	NI2 Shield Bldg.	RC05		11-Sep-16	E&DCR APP-1230-GEF-573 issued 7-Jul-16 - Pricing provided 29-Jul. Buyer to issue CO. No schedule provided at this time
7		D220.00	Cives	Main Steam & Feedwater 12404-ML-P14, P15, P16, 12405-ML-P10, P11, P14, P15, 12421-ML-I06	D. Riddle (WT)	NI2 Shield Bldg.	RC06	28-Sep-16	11-Sep-16	Cives instructed Dubose to order material at risk. Pre inspection meetings on 9-Aug to kick off fabrication
8		PL02.04B	TBD	Bulk ASME Pipe Purchase	I. Khan (WT)	NI2	ALL	TBD		Awaiting final BOM and RFI response from WEC regarding the 602 spec.
9		SS01.00	PVS	SPL-30	T. Lorentz (W)	Unit 2 Containment	Ring 2 Outfitting	3-Aug-16A	Now	Missing Lug to ship 16-Aug
10		SS01.00	PVS	SPL-33	T. Lorentz (W)	Unit 2 Containment	Ring 2 Outfitting	24-Aug-16 Ship	15-Jun-16	new ship date is 8/24/16. Reason is tack weld N&D resolution.
11			Big Span	Containment Hat	N. Hamm (F)	NI 2	Containment	Varies	1-Jun-16	Leveling Devices are shipping on 7/26.
12		G230.04	Aecon	Q223	D. Garrison (WT)	NI 2	Containment	7-Oct-16	13-Aug-16	
13		G230.04	Aecon	Q233	D. Garrison (WT)	NI 2	Containment	30-Sep-16	13-Aug-16	
14		G230.04	Aecon	Q240	D. Garrison (WT)	NI 2	Containment	30-Sep-16	30-Aug-16	
15		SS01.00	PVS	SPL09	T. Lorentz (W)	NI 2	Containment	12-Oct-16	31-Jul-16	
16		SS01.00	PVS	SPL10	T. Lorentz (W)	NI 2	Containment	3-Oct-16	31-Jul-16	
17		SS01.00	PVS	SPL12	T. Lorentz (W)	NI 2	Containment	30-Sep-16		
18		SS01.00	PVS	SPL13 Beam	T. Lorentz (W)	NI 2	Containment	7-Sep-16	2-Sep-16	Fabrication start 1-Aug-16
19		SS01.00	PVS	SPL14	T. Lorentz (W)	NI 2	Containment	28-Sep-16		Ship date under review
20		SS01.00	PVS	SPL15	T. Lorentz (W)	NI 2	Containment	28-Sep-16		Ship date under review
21		SS01.00	PVS	SPL20	T. Lorentz (W)	NI 2	Containment	6-Sep-16	31-Jul-16	Ship date under review
22		SS01.00	PVS	SPL21	T. Lorentz (W)	NI 2	Containment	2-Sep-16	31-Jul-16	Ship date under review
23		D100.CA005	Greenberry	CA31	T. Lorentz (W)	NI 2	Containment	2-Feb-17		





# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
24		D100.CA005	Greenberry	CA33	T. Lorentz (W)	NI 2	Containment	6-Sep-16 Ship	16-Jun-16	
25		D100.CA005	Greenberry	CA34	T. Lorentz (W)	NI 2	Containment	18-Aug-16	29-Jun-16	new ship date is 8/18/16. Reason is delays in dock package review.
26		D100.CA005	Greenberry	CA35	T. Lorentz (W)	NI 2	Containment	27-Oct-16 Ship	29-Jun-16	
27		D100.CA005	Greenberry	CA37	T. Lorentz (W)	NI 2	Containment	23-Sep-16 Ship	29-Jun-16	
28		D100.CA011	Vigor/OIW	OLP's, Gussets, & Beam Seats	D. Garrison (WT)	NI2 Containment	Inside CA01	TBD		PO issued 19-May./Per Dale 10/21 ship date but working to improve
29		D100.CA007	SMCI	Beam Seats & Ledger Angles	D. Garrison (WT)	NI2 Containment	Inside CA01	18-Aug-16		1 beam seat and 3 Ledger angles shipping 21-Jul. Remaining Ledger angle eta 11-Aug and Beam Seat ea 18-Aug
30		D100.CA008	IHI	Fuel Handling Crane Rail Embeds	FMM	NI2	Inside CA01	28-Jul-16A	1-Aug-16	complete
31		PV53.00	?	PWS-PL-V129, V311, V312 - VSG-PV53-GEF-000001 - PWS PV53 NSF61 Valves	R. Namit (WT)	NI2 Auxiliary	Room 12111 East	TBD	16-Jun-16	E&DCR complete. Need Requisition
32		D220.00	Cives	APP-12371-CE-PW301,302,303, 304 & 305 (Truck Door Upper)	D. Riddle (WT)	NI2 Auxiliary	Line I 1-4	9/28 - 11/30	15-May-16	PW301: In fab. Piece has been cut. Est. fab completion 9/9/16. Est. delivery date 9/23/16. PW302: In fab. Piece has been fit. Est. fab completion 11/18/16. Est. delivery date 11/30/16. PW303: In fab. Piece has been cut. Est. fab completion 9/9/16. Est. delivery date 9/23/16. PW304: In fab. Piece has been cut. Est. fab completion 11/18/16. Est. delivery date 11/30/16. PW305: In fab. Piece has been cut. Est. fab completion 11/18/16. Est. delivery date 11/30/16.
33		D220.00	Cives	APP-12300-CE-PW301,302, & 303 & APP-12300-AD-D01	QC	NI2 Auxiliary	I line 10 to 11 & 11 Line I to L	5-Aug-16A	15-May-16	PW 301: on Load 2099 onsite PW 302: on load 2100 onsite PW 303: on load 2100 onsite
35		SS01.61 Rev. 1	Mackson	Blockout material to supplement hubs above (SS Angle & Grating)	FMM	NI2 Auxiliary	Areas 1 & 2	2-Aug-16		Angle received on MRR-34482 and 34970 ready to be issued. Items 1, 2, and 3 complete onsite. MRRs 34844 not posted
36			TBD	FPS Valves PV50 Z0D-170	E. Grein (WT)	NI2 Auxiliary	Room 12155		2-Jul-16	on hold per APP-PV50-GEF-850002. ESSOW being generated to test valves to prove operability after seismic event. Once ESSOW complete, req for testing will generated
37		PV50.02	TBD	FPS Valves PV50 Z0D-128	J. Dickamore / J. McGregor	NI2 Auxiliary	Room 12155		2-Jul-16	CBE and TBE in process. Deviation and LOA will be required
38		D220.00	Cives	Embed for precast floors 12306-ML-E05	D. Riddle (WT)	NI2 Auxiliary	Room 12306	15-Aug-16		PM did not prioritize with shop. Estimated fab complete 25-Aug. Estimated eta 8-Sep
39		D220.00	Cives	Embeds for Area 1 Floors	D. Riddle (WT)	NI2 Auxiliary	Area 1		15-Jul-16	affected by E&DCR APP-1230-GEF-564 issued 23-May-16
40		ER01.05	Nova	Cable Tray	J. Taylor (WT)	NI2 Auxiliary	All		31-Aug-16	Testing to complete 5-Aug.
41		SS01.00	PVS	Floor Steel 4A-411 Material	V. Como (F)	NI2 Auxiliary	Room 12352	28-Sep-16 Ship		Ship 28-Sep
42		AT01.03	New South	Waterproofing Primer	C. Mangelsen (F)	NI2 Auxiliary	Wall N 1-4	18-Aug-16		P16.07.20.04 Req Rev 6 PO Rev 4. PO issued.
43	VS2-1230-SSW-005	SS01.65		F1136 Bolts	S. Ali (F)	NI2 Auxiliary				R16.08.02.02. Inquiry SS01.65A aproved 8-Aug



# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
44		SS01.53	Dubose	Grating	C. Mangelsen (F)	NI2 CA20	Room 12265	31-Aug-16		Grating to be shipped from Ohio grating to Dubose on 8/12, then inspection and doc pkg submittal.
45		SS01.26 Rev 1	Mackson	Bent Plate	C. Mangelsen (F)	NI2 CA20				Awaiting PO Rev adding plate.
46		SS01.57	CPS	17' A240 plate	C Mangelsen	NI2 CA20		TBS		Supplier cut a portion of the plate for a coupon.
47		J400-00	Gerdau	#9 Couplers	A. Rogers (F)	NI2 CA20		18-Aug-16		4404 eta 18-Aug
48	VS2-4042-SAW-850001	SS01.02	Steelfab	Supplemental Steel El. 117"6"	FMM	Annex	Area 1	25-Jul-16A		Load 73 arrived 8-Jul. Load 74 to arrive 13-Jul OSD for an overage. Load 75 MRR-35049 not posted
50		ES01.01	Eaton	Switchgear	M. Wimmer (WT)	Annex	IE	28-Oct-16		Drawings approved 11-Jul. Eaton MVA Leadtime is 18-20 weeks. SEL FAT testing (10 days including weekends) to complete 13-Oct. WECTEC Inspection complete 19-Oct. Ship by 24-Oct
51		DF02.01 & DS02.01	Eaton	Breakers	M. Wimmer (WT)	Annex	IE	17-Aug-16		
52		SS01.48 Rev. 7	Mackson	L6x4x5/8" Angle	FMM	Annex	IE	2-Aug-16	1-Aug-16	Item #24 is the angle, items 22 and 23 is plate, all onsite. Complete and ready to be issued.
53		SS01.12 Rev 18	Mackson	Nelson Studs Ferrule to flat unthreaded for Hilti Girder System	FMM	Annex	All	2-Aug-16	15-Jul-16	REV 18 is onsite. MRR-34799
54		F013385	Red-D-Arc	Welders	P. McGregor (F)	Annex	All	2-Aug-16	ASAP	PO issued 26-Jul
55		F013296		JLG Forklift	P. McGregor (F)	Annex	All	5-Aug-16 & 9-Aug-16	ASAP	PO issued. 1 to arrive 5-Aug and the other early week of 8-Aug
56		4500666463		Boric Acid Tank	N. Andrulonis (W)	Annex	Area 3	24-Sep-16	3-Dec-16	
57		MS90.01	Milton CAT	Annex DG Fuel Tank	M. Detrick (WT) J. Goley (WT) M. Wimmer (WT)	Annex	Area 3	TBD	2-Feb-17	10-12 week lead time. Not released for fabrication. GA, seismic cal, change order for heater blankets upgrade and paint/coating. Deviation approved. LOA in process
58	VS2-4043-COW-850003	J400-00	Gerdau	Formsavers	A. Rogers (F)	Annex	Area 3	3-Nov-16	2-Dec-16	P16.06.08.01
59		ER01.17		Unistrut	B. Beasley	Annex	All		29-Aug-16	P16.07.21.07. Out for quote. Quotes due 12-Aug
60		AT01.03	New South	Bituthene Seal/Materials	C. Mangelsen (F)	Annex	Area 3		15-Aug-16	P16.07.20.03 Shake Space Seal - PO to be issued on 8/4 for Unit 3.
61		SS01.48	Mackson	L3x3x5/16	C. Mangelsen (F)	Annex		12-Aug-16	8-Aug-16	P16.07.27.14 Angle clips are missing from fab shop on beams. Construction to rework. PO issued
62		SS01.60		Hilti Cable Tray Supt. Hardware	B. Beasley	Annex	IE		15-Aug-16	P16.07.18.03 Req rev 3 Req approved 1-Aug. Awaiting Budget approval.
63		F013587		Scissor Lift & Man lift	M. Manning (F)	Annex				out for final signature
64		F013589		Trailers		Annex				routing for signature. Has not made it to Procurement
65		F013296	Sunbelt	Fork Lift	P. McGregor (F)	Annex		5-Aug-16		PO issued
66				Battery Rm CMU Doors	G. Battle	Annex	IE		29-Sep-16	P16.07.28.08
67		F013607		Stud Gun	M. Manning (F)	Annex	IE			out for quote

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# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
68		J400-00	Gerdau	Area 1 117' Slab Rebar	J. Hornsby (F)	Annex	Area 1		5-Sep-16	Control Code: N82H
69		J400-00	Gerdau	Area 2 117' Slab Rebar	J. Hornsby (F)	Annex	Area 2		5-Sep-16	Control Codes: N82I, N82K
			Hilti	Hilti RE500		Annex	Area 3		15-Aug-16	MRT R16.08.03.01 EDCR: VSG-CC01-GEF-000295 - Change from Five Star grout to RE500
70		SS01.03	CPS	P16.02.01.02 CA20 Leak Chase Channel	C. Mangelsen (F)	MAB	U3 CA20	19-Aug-16		CPS QA must conduct audit of facility prior to shipment.
71		132178-SS01.05	Dubose	CA01-38 External Connection Material	C. Mangelsen (F)	MAB	U3 CA01	TBD	9-Aug-16	Drawings approved, other docs need review. Dubose sent in revised QA manual being reviewed in CLT.
		F013684		Lifting Frame Material	MAB	MAB	U3 CA01			approvals reversed due to scope change
		F013661		Fab Table Materials		MAB	U3 CA03		20-Aug-16	req routing for approval
		SS01.44	Tioga	Stainless Steel Flat Bar	C. Mangelsen (F)	MAB	U3 CA20			
72	VS3-KB14-KBW-001	G230.M01	Laurens	KB14 Spool VS3-WGS-PLW-02A-1	D. Garrison (WT)	Mechanical Modules	KB14	TBD	22-Jun-16	At Lake Charles; Order for Spool Rebuild - In Process
73	VS3-KB16-KBW-850000		Laurens	KB16 Spool VS3-WLS-PLW-112-2	M. Sandford (WT) / S. Jones	Mechanical Modules	KB16	TBD	22-Jun-16	Verifying delivery date
74	VS3-KB16-KBW-850000	G230.M01	Laurens	KB16 Spool VS3-WLS-PLW-120-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB16	TBD	22-Jun-16	Shipping to site with exceptions. Verifying delivery date
75	VS3-R151-R1W-850001	G230.M01	Lake Charles	R151 Spool VS3-VWS-PLW-381-1	D. Garrison (WT)	Mechanical Modules	R151	TBD	22-Jun-16	Located by C Glover WE 06/17/16; Awaiting shipping confirmation
76	VS3-KB16-KBW-850000	PY30.00		Single Stage Orifices WLS-PL-R02	J. Dickamore (WT)	Mechanical Modules	KB16		27-Jul-16	Deviation in process. No LOA required since this is Fluor DOR (will be administered by WECTEC until the PO is transitioned to site). Lessons learned from China being incorporated and could change current scope
77	VS2-1100-KQW-002	PL03.08 Rel 12	Tioga	Welded Tubing 1" Male adapter		Mechanical Modules	KQ22 & 23	24-Jun-16	24-Jun-16	Onsite no MRR. To return to vendor, will be reordered on JT01.02, ASME III material.
78		SS01.63	Dubose	Structural bolts, washers, nuts	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	23-Aug-16	1-Aug-16	P16.06.13.08 - PO issued 7-Jul.
79		PL03.04 Rel 15	Mackson	Pipe fasteners	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	2-Aug-16	1-Aug-16	P16.06.13.07 2-3 week lead time, Supplier awaiting 2 items to be marked per SR-C spec requirements they have to marked by hand taking longer than expected, awaiting shipping doc pkg for partial.
80		SS01.03 Rel 73	CPS	Structural material for new builds	FMM / C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	8-Aug-16	20-Jul-16	Item #47 A36 plate 1/2" onsite MRR-34998, balance ETA 8/8.
81		D100.11 Rev 56	Mackson	Structural material for new builds	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	11-Aug-16	20-Jul-16	MRT R06.02.09 - PO issued. All materials are at Mackson being tested. ETA 8/11. Also awaiting CGD plan approval for A992 and A36 material.
82		SS01.03 Rel 74	CPS	Structural material for new builds	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	12-Aug-16	20-Jul-16	MRT R06.02.09 - PO issued on 7/22
83		SS01.64	Carolina Fabricator	Carolina Fabricators BPA	B. Herbert (F)	Mechanical Modules	19 Module New Builds		21-Jun-16	SQC to review 14-Jul Req Complete. PO on hold
84		PL03.08 Rel 17	Tioga	Piping material for New Builds	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	31-Aug-16		P16.06.24.03. PO issued. Various dates on release ranging from 3-Aug to 31-Aug
85		SS01.03 REL 75	CPS	Angle & Plates w/ W Shapes	C. Mangelsen	Mechanical Modules	19 Module New Builds	25-Aug-16		P16.06.07.01 PO issued approx 9 truck loads w/ material below
86		D100.11 Rev 57	Mackson	Angle & Plates w/ W Shapes	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	25-Aug-16		P16.06.07.01 PO issued approx 9 truck loads w/ material above

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# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
87		PL03.11 Rel 2	CPS	Gaskets	C. Mangelsen (F)	Mechanical Modules	19 Module New Builds	25-Aug-16		P16.06.24.02. PO Issued 7/21
90	Various	SS01.48 Rev. 8	Mackson	1/8" and 1/16" Shim Material	C. Mangelsen	Mechanical Modules	KB04, KQ22, KQ23	4-Aug-16	22-Jun-16	MRT R16.06.20.06. PO issued 29-Jul
91		G230.M01	Lake Charles	KQ22 Spool VS2-CVS-PLW-06F-1	D. Garrison (WT)	Mechanical Modules	KQ22	-		
92		G230.M01	Lake Charles	KQ22 Spool VS2-CVS-PLW-06F-1B	D. Garrison (WT)	Mechanical Modules	KQ22			
93		G230.M01	Lake Charles	KQ22 Spool VS2-CVS-PLW-06F-2	D. Garrison (WT)	Mechanical Modules	KQ22			
94			Laurens	KQ22 Spool VS2-CVS-PLW-07Q-3	M. Sandford (WT) / S. Jones	Mechanical Modules	KQ22			
95		G230.M01	Lake Charles	KQ23 Spool VS2-CVS-PLW-07H-1	D. Garrison (WT)	Mechanical Modules	KQ23			
96		G230.M01	Lake Charles	KQ23 Spool VS2-CVS-PLW-07H-2	D. Garrison (WT)	Mechanical Modules	KQ23			
97		G230.M01	Lake Charles	KQ23 Spool VS2-CVS-PLW-07H-3	D. Garrison (WT)	Mechanical Modules	KQ23			
98		G230.M01	Lake Charles	KQ23 Spool VS2-CVS-PLW-07W-1	D. Garrison (WT)	Mechanical Modules	KQ23			
99		G230.M01	Lake Charles	KQ23 Spool VS2-CVS-PLW-07Y-1	D. Garrison (WT)	Mechanical Modules	KQ23			
100			Laurens	KB12 Spool VS3-SFS-PLW-086-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
101			Laurens	KB12 Spool VS3-SFS-PLW-088-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
102			Laurens	KB12 Spool VS3-SFS-PLW-089-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
103			Laurens	KB12 Spool VS3-WLS-PLW-60B-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
104			Laurens	KB12 Spool VS3-WLS-PLW-60D-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
105		G230.M01	Lake Charles	KB12 Spool VS3-WLS-PLW-60F-1	D. Garrison (WT)	Mechanical Modules	KB12			
106		G230.M01	Lake Charles	KB12 Spool VS3-WLS-PLW-60G-2	D. Garrison (WT)	Mechanical Modules	KB12			
107			Laurens	KB12 Spool VS3-WLS-PLW-67X-1	M. Sandford (WT) / S. Jones	Mechanical Modules	KB12			
108		G230.M01	Lake Charles	KB14 Spool VS3-WGS-PLW-05B-1	D. Garrison (WT)	Mechanical Modules	KB14			
109		G230.M01	Lake Charles	KB14 Valve VS3-WGS-PLV002	D. Garrison (WT)	Mechanical Modules	KB14			
110		G230.M01	Lake Charles	KB15 Spool VS3-WLS-PLW-160-1	D. Garrison (WT)	Mechanical Modules	KB15			
111		SS01.61 Rev. 1	Mackson	Grating for R251	C. Mangelsen	Mechanical Modules	R251	12-Aug-16		R16.07.19.01 - PO issued on 7/26

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# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
				3/4" Round Bar		Mechanical Modules	KB12		19-Aug-16	R16.08.05.02
				1/4" Flat Bar		Mechanical Modules	All		11-Aug-16	R16.08.04.01
112				Waterproof Membrane	C. Mangelsen	Turbine		29-Jul-16		MRT # P16.06.21.07 AT01.04 Rev 1
114	VS3-CDS-MEW-850019	SS01.03 Rel 73	CPS	A36 Steel Plate 1/4", 1/8", 3/8"	C. Mangelsen / QC	Turbine		28-Jul-16		P16.06.23.01 - 1/4" MRR-34681 w/ QC QR 0729-0042. No 1/8" or 3/8" received
115	VS2-CDS-MEW-850021	SS01.03 Rel 73	CPS	A36 Steel Plate 1" and A36 Angle	C. Mangelsen / QC	Turbine		28-Jul-16		P16.06.22.02 - Angle MRR-34791, MRR-34790, 34789. No 1" plate received
116			Hilti	Girder Material	B. Hinson (WT)	Turbine				MRT # P16.07.27.04 Requisition awaiting approvals.
117	VS2-2060-MGW-001	CE50.03	Maco	Standard V-100 Grout	N. Hamm (F)	Turbine	Grout Placement under Fixators @ 170' el	5-Aug-16		MRT # P16.07.26.01 - PO issued
118		J400.00	Gerdau	#14 Position Couplers	A. Rogers (F)	Unit 3 NI	E1 & E2	15-Aug-16		1117 w/ Construction.
119		J400.00	Gerdau	#5 Terminators	QC	Unit 3 NI	F1 Inside & Layer 3	27-Jul-16A	18-Jul-16 & 20-Jun-16	#5 Terminators ERICO Item#EL16D6Q - partial shipment 3607 onsite w/ Construction. 2600 w/ QC QR 0801-0061 #6 Terminators ERICO Item#EL20D6Q - QTY=7170 onsite w/ Construction
120		C601.00	Laurens	Spools VS3-WWS-PLW-31B-1 & 31D-4	M. Sandford (WT) / S. Jones	Unit 3 NI	Areas 1 & 2		11-Jul-16	31B-1 is onsite and issued. 31D-4 is held up due to invoices
121		J400.00	Gerdau	Rebar	J. Hornsby (F)	Unit 3 NI	11 Line	TBD	22-Aug-16	E&DCR APP-1240-GEF-269 complete - Shop drawings to follow Unit 2 review and approval
123		527365	Lake Charles	B6 & B7 Plates	FMM	Unit 3 NI	CA05	27-Jul-16A	22-Aug-16	onsite
124		SS01.00	PVS	4A1006F1Z-1	V. Como (F)	Unit 3 NI	Area 1 100' Slabs		22-Aug-16	Tack Weld Issue
125		J400.00	Gerdau	#9 Terminators	FMM / A. Rogers (F)	Unit 3 NI	Layer 3	18-Aug-16	1-Aug-16	Need 383. 75 on hand. 40 onsite
126		J400.00	Gerdau	Stock Rebar		Unit 3 NI	All			
128		C107.00 Rev 2	Maco	Flat Bar	N. Hamm (F)	Site Specific	CWS Piping	5-Aug-16		Doc stamped Proceed.
129		C811.03 Req Rev 9	Munaco	10" & 12" Gaskets	N. Hamm (F)	Site Specific	YFS Piping	5-Aug-16		
131		F012834		Flow Water Jet	M. Manning (F)	Site Services	Site Services			4-6 week lead time
132		F013362	Prestige Equip	Horizontal Boring Mill	FMM	Site Services	Site Services	25-Jul-16		PO issued
133		F012833	General Equip	Rebar Bender	FMM	Site Services	Site Services	29-Jul-16A		onsite MRR-34810



# Procurement

Ref#	Work Package #	PO#	Supplier	Description	Owner	Building	Workfront	Forecast	CND	Notes
134		F012871	Airgas	Fume Extractors	FMM / P. McGregor (F)	Safety	Safety	19-Aug-16		PO issued - partial order onsite
135		C910.28 req rev 8	CPS	36" TEGA DOST Couplers	C. Mangelsen (F)	Subcontracts	Garney/CA Murren WWS	15-Sep-16		6-7 week lead time after doc approvals, doc sent back as Revise/Resubmit. Lead time is at risk due to material being manufactured in Europe. Released for fabrication.
136		F012379	Tremble	Survey Scanner	FMM	All	All	29-Jul-16A		onsite MRR-34797
137		ER02.01	Shealy	Misc Material	P. McGregor (F)	All	All	Phased deliveries	30-Jun-16	Charleston Material
138		F013432	P&I Supply	50 Welder Fans	P. McGregor (F)	Safety	Safety	5-Aug-16		PO issued
139		F013510		Mist Fan Repair Parts	P. McGregor (F)	Safety	Safety	26-Aug-16		PO issued - Parts on back order
		WVS2000027		Risk Release Stickers	M. Scarcella (F)				20-Sep-16	Out for quote
		WVS2000024		Risk Release Tags	C. Riddle (F)				20-Sep-16	Out for quote



## Quality Assurance

### Key Surveillance Activities

1. CAP Program Surveillance (CAR/DI/DIR process) – Issues identified with DIR process, timeliness of causal analyses and adequacy of actions to justify closures. – Field Work complete, analyzing results and drafting report. Ongoing
2. CES (WECTEC Scope) Unit 2 Reactor Pressure Vessel Support Installation. Phase 1 - Machining RPV Embedments. Complete. Report being drafted. Several in-process deficiencies self-identified by CES and documented in their CAP program. One item identified by WECTEC (M&TE Control)
3. Verify performance of QC Routine Inspections and adequacy. There are issues regarding inadequate documentation of inspections being pursued. Ongoing
4. CA-03 Completion review. Ongoing
5. CES (WECTEC Scope) Unit 2 Reactor Pressure Vessel Support Installation Phase 2 - Drilling & Reaming (32) Anchor Dowel Holes in the (4) RPV Supports and Phase 3 - Final machining of RPV Support (4) Thermal Plates and (4) Bottom Wear Plates.
6. ASME Manual Org. chart, Site Org. chart alignment and completion of required training.

### Upcoming new surveillances

1. CES (WECTEC scope) set up and machining for RCL piping.
2. CES (WECTEC scope) Steam Generator Support installation.
3. CES (WECTEC Scope) Unit 2 Reactor Pressure Vessel Support Installation Phase 2 - Drilling & Reaming (32) Anchor Dowel Holes in the (4) RPV Supports and Phase 3 - Final machining of RPV Support (4) Thermal Plates and (4) Bottom Wear Plates To begin 8/8
4. D RTNSS material control, receipt inspections etc. as follow-up to Surveillance S-132177-2015-066. To start 8/15
5. N&D Tagging – material controlled, lost/damaged tags, QC Manager Hold Tag Process, use of tag boards etc.

Additional items will be added from schedule based on completion of above

### External Audits/Surveillances

1. Hartford Steam Boiler (ANI) audit tentative scheduled for 8/29. Focus on org. changes/training.
2. SCE&G Corrective Action Program Audit - **Started, ongoing**
3. NRC Annual Corrective Action Program (CAP) Inspection 9/12-9/16
4. WECTEC Implementation Audit of CES. Date change from Aug 22 to Oct TBD.
5. CBIS Audit of WECTEC 8/15-19 (CBIS required to perform oversight of WECTEC welding to penetrations/flute heads etc.)





# Licensing

## Licensing Items Affecting Construction/NRC Updates:

### A. LAR-53 - PXS Condensate Return

1. Impacts installation of PXS piping on Ring 2 (TBD), Ring 3 set (Feb 2017)
2. Transmit Rev. 1 LAR package to SCE&G once final technical comments resolved (targeting late August)

### B. LAR-81 - Dimension Changes for CH77 Module

1. Driving installation of CH77, SPL-13, potential to delay SG set
2. SCE&G to submit LAR-81 to NRC by 8/11/2016
3. On track to receive PAR on or before 8/29/2016

### C. LAR-90 - Finned Floors

1. Affects RC06, Wall I form savers, rebar for CA20 floor modules (hooks in Wall I at 117'3 need PAR)
2. PAR received for CA20 floors at 82'6, 92'6 (mini-LAR scope) on 7/22/2016
3. Rev. 2 LAR package (full-scope LAR) targeting 8/10/2016 submittal to NRC
4. Second PAR request to cover hooks/form savers in wall at Line I

### D. LAR-49 - Modules Clip Angle

1. Impacts installation of CA3x, CA5x floor modules in Containment (CA36 is Oct 2016)
2. Rev. 0 LAR package submitted to NRC 6/16/2016
3. Rev. 1 LAR package planned for submittal to NRC pending resolution of calc discussion

### E. LAR-74 - Shield Building Roof, Tension Beam, and Inlet Changes

1. PAR desired, would increase confidence in NRC approval of shield building roof beam design (mock-up 11/2016)
2. Submit Rev. B LAR package to customers 8/09/2016
3. Pre-submittal meeting with NRC mid-August
4. Transmit Rev. 0 LAR package to SCE&G 9/22/16

### F. Upcoming NRC Inspections

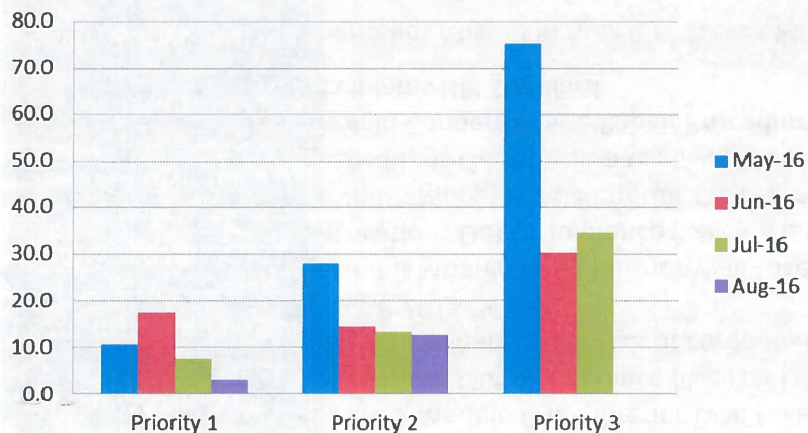
1. August 4, NRC Senior Management Quarterly Meeting
2. TBD, Vertical Slice Inspection of On-site Welding Program
3. August 15-19 (tentative), Programmatic Inspection: Part 21 - Non-conforming Pipe Spools (VCS/Vogtle)
4. September 12-16, Annual Corrective Action Program (CAP) Inspection



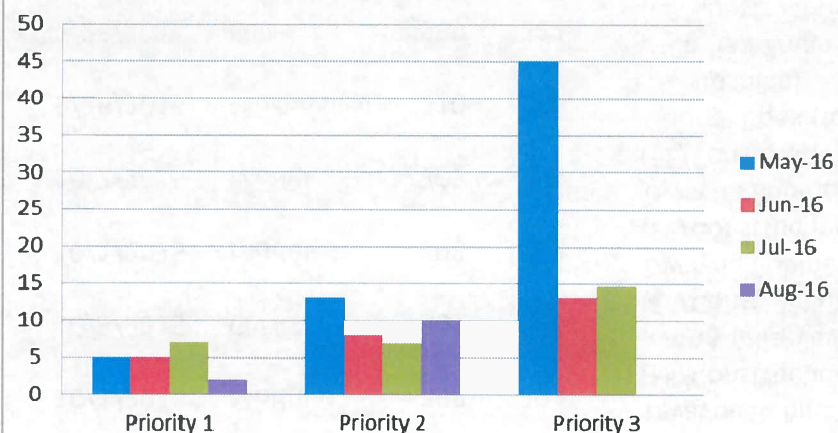


# PMO P6 Prioritized E&DCR/N&D/RFI

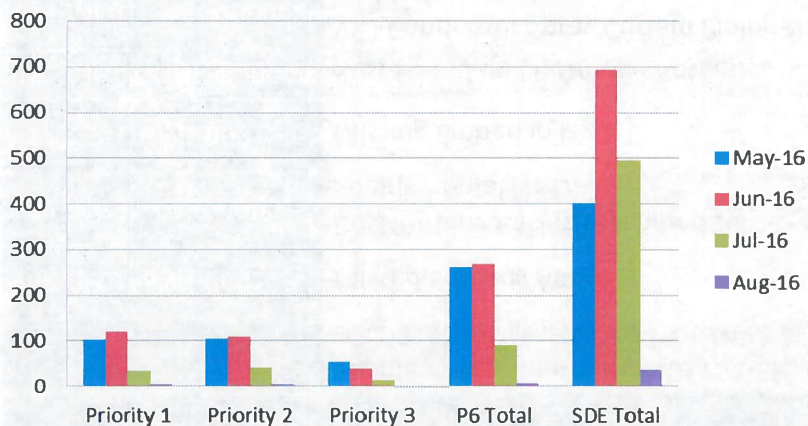
Average Days Duration



Median Days Duration



Number of Documents



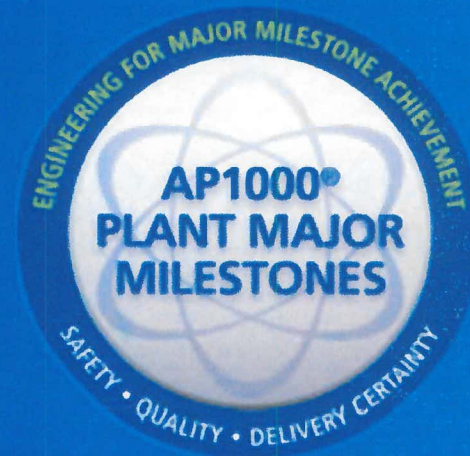
Data is for documents completed in the month.  
P6 and SDE Data run on 8/5/16.

	Average Days Duration to Complete			
	May-16	Jun-16	Jul-16	Aug-16
Priority 1	10.4	17.4	7.6	3.0
Priority 2	28.0	14.4	13.3	12.7
Priority 3	75.3	30.5	34.6	#DIV/0!
	Median Days Duration to Complete			
	May-16	Jun-16	Jul-16	Aug-16
Priority 1	5	5	7	2
Priority 2	13	8	7	10
Priority 3	45	13	14.5	#NUM!
	Number of Documents Completed			
	May-16	Jun-16	Jul-16	Aug-16
Priority 1	101	120	36	3
Priority 2	105	109	41	3
Priority 3	54	39	14	0
P6 Total	260	268	91	6
SDE Total	402	694	494	37

# RAIs >90 days old

Number	Title	Initiated Date	Owning Discipline	Days Open	RAI Days	RAI Owner
VS2-FS01-GNR-000002	Supplemental Information to VS2-FS01-GNR-000001 (Implement WP VS2-FS01-FSW-850000)	8/15/2014	Mechanical	720	696	Steve Giustino (Installation Support)
VS2-CE01-GNR-000122	Missed Embeds Annulus	9/18/2014	Civil	686	671	William Allman (FE/Construction)
VS2-MG01-GNR-000017	Rust Turbine Casing machined surfaces Supplemental N&D	2/18/2015	Mechanical	533	521	Don Low (for Toshiba)
VS2-CE01-GNR-000174	Missing Embed in layer C	5/15/2015	Civil	447	442	William Allman (FE/Construction)
VS2-MG01-GNR-000004	Rust Found on LP Turbine Rotors	10/8/2013	Mechanical	1031	430	Don Low (for Toshiba)
VS3-ME01-GNR-000020	VS3 Condenser Spray Curtain Piping Nozzle Welds	7/13/2015	Mechanical	388	387	George Cook (for Toshiba)
VS2-1010-GNR-000012	Unit 2 Embed Plates added after Concrete Pour	8/13/2015	Civil	357	350	Arthur Reed (FE/Construction)
VS3-CA04-GNR-000013	Unit 3 Module CA04 Interior Wall Face Locations Out of Tolerance (Requires Layer 5)	10/1/2015	Modules	308	294	Dwayne Robinett (FE/Construction)
VS2-CR01-GNR-000394	Indeterminate roughness of cored holes (CAR 2015-3675)	10/8/2015	Civil	301	294	John Yelisseyev (FE/Construction)
VS3-CA04-GNR-000015	Unit 3 Module CA04 Interior Wall Face Locations Out of Tolerance (Requires Layer 6)	10/1/2015	Modules	308	293	Dwayne Robinett (FE/Construction)
VS3-CA04-GNR-000016	Unit 3 Module CA04 Interior Wall Face Locations Out of Tolerance (Requires Layer 7)	10/2/2015	Modules	307	293	Dwayne Robinett (FE/Construction)
VSG-ME01-GNR-000006	Main Condenser Site Repair Procedure Violates HEI Standard	9/29/2015	Mechanical	310	288	George Cook (for Toshiba)
VS2-CE01-GNR-000154	Embeds Missed in Area 2 El 100' at I-line	1/23/2015	Civil	559	282	Carlie Allman (FE/Construction)
VS2-MS45-GNR-000023	FW Pumps' Motors rotated Manually without lubrication	9/14/2015	Mechanical	325	267	Thomas Magruder (FE/Construction)
VS2-CE01-GNR-000198	Out of tolerance embed plates on J.1 and J.2	11/4/2015	Civil	274	198	Alex Filo (FE/Const)
VS2-FS02-GNR-000003	Unit 2 Spent Fuel Rack Baseplate Distortion	2/10/2016	Mechanical	176	168	Steve Giustino (Inst Spt)
VS3-ME01-GNR-000032	Weld Defects in Extraction Steam Piping	3/16/2016	Mechanical	141	128	George Cook (for Tosh)





# Weekly ECS Report Out 8/4/2016





# Civil & Structural Key Challenges & Mitigation Plan



Challenge	Mitigation Plan	Due Date
Non-Contact Lap Splice Supplemental Hand Calcs have been added to the LAR submittal by customer request	<p>Supporting calculations for LAR-90 are scheduled to be completed by August 8 in response to a request to improve on the already expedited schedule. The core team has been working a 6 day work weeks (30 hour days) to meet or exceed our commitment.</p> <p>The primary technical risk to schedule at this point is the configuration of the E/W CA44/CA45 connections and the associated load combination of SSE + Thermal which has not been performed.</p> <p>The E/W connections are currently designed as a double layer of reinforcement. Engineering is evaluating if adequate margin exists to utilize a single layer of reinforcement similar to the rest of the finned floor connections. The double layer of reinforcement adds complexity to the non-contact lap splice and would require additional justification. This is added scope from the previously planned finned floor calculations and the established 8/8 date. Currently E&amp;DCR APP-1241-GEF-076 is in the review process to justify and remove the double layer of reinforcement.</p> <p>A proposal to create a small stand-alone document to draw the conclusion that the load combination of SSE + Thermal does not affect the area of steel provided has been discussed. Two different approaches have been explored, which only one produces a favorable path. This path is challenging the 8/8/16 date and resources have been reallocated to help with the pace of production. A customer discussion will be held this week to discuss the proposed approach.</p>	8/8/16
C7 Rebar	Comments from site on the updated/optimized rebar layout of SPL51 per site request were received at end of day 7/19. There are still many comments to work through, one of which is related to code compliance based on Southern Nuclear feedback. "SNC has not accepted two smaller bars lap splicing to a single larger bar as ACI 349 code compliant detail. This comment is with regards to splicing #8 bar to #11 bar which is governed by the CA01 coupler design. A discussion between site, home office, and WES is targeted during the week of 8/8.	8/8/16
Engineering package process ending in 250/month updated drawings	Expect slightly smaller quantities in July – August – September. Adding quantities from new SPL scopes of work.	Ongoing





# EPE

## Key Challenges & Mitigation Plan



Challenge/Issue	Mitigation Plan	Date
DCD Discrepancy - N690 Evaluations / CAPAL 100385381	<p>No Physical Plant Changes Expected</p> <ol style="list-style-type: none"> <li>1. Licensing Evaluation – if no discrepancy exist determine if any further actions are needed (add clarification to N1-001)</li> <li>2. If discrepancy exists, review PWR analysis and define actions needed for closure further actions</li> </ol>	<ol style="list-style-type: none"> <li>1. 8/5</li> <li>2. 8/19</li> </ol>
Fire Hose Station Elevations	Current piping layout violates elevation requirements of NFPA 14. Presented at stage gate 2 on 8/2 and incorporating comments from China projects.	EOC complete. E&DCR is required to make design compliant with NFPA 14- relocation of hose station valves and relocation off Durasteel walls by 8/31/16.
MSIV Room Temp. Exceedances / CAPAL 100353731	<ol style="list-style-type: none"> <li>1. Determine if APP-GW-VPR-008 &amp; APP-GW-M3C-008 are impacted. Error was discovered and piping is investigating higher temperatures.</li> <li>2. EQ to evaluate and document impact (no impact based on qualifications)</li> <li>3. EQ/Plant Integration to issue E&amp;DCR &amp; PRHA to issue APP-SSAR-GSC-168</li> </ol>	<ol style="list-style-type: none"> <li>1. Completed</li> <li>2. 8/5</li> <li>3. 8/12</li> </ol>
CAPAL 100397988 CVS Shielding issue	Assessing radiation shielding options to met licensing commitments. Likely a physical change is required to provide shielding. (Steel / Tungsten plate)	Issue has been reviewed and approach is for localized shielding around pipe-E&DCR archived by 9/16





# Plant Integration – Key Challenges & Mitigation Plan

Challenge	Mitigation Plan
Completion of VP-030	<p>Completion of VP-030 has outstanding issues.</p> <ol style="list-style-type: none"> <li>1. Aux building heat-up calculation efforts have been underway to generate an analysis that support EQ commitments for abnormal temperature in the auxiliary building for events such as loss of AC power &amp; loss of HVAC.</li> <li>2. APP-GW-VPC-034 <ul style="list-style-type: none"> <li>• 2 RMS E&amp;DCRs in process. 1 will require changes to PLS.</li> </ul> </li> <li>3. Steam Line Break CAPAL</li> </ol>
EMD RCP Update Impacts	<p>Issuance of EMD reconciliation DCP is required to finalize safety analysis close out</p> <ul style="list-style-type: none"> <li>• APP-MP01-VDC-001 still required to complete IMP database and predictive analyses which are 3 July DDs.</li> </ul>
APP-GW-M3C-008	Evaluation was being updated in support of VP-030. Error was found in calculation that challenges previous results.
WCAP-17938	<p>NRC informed WEC that WCAP will go to ACRS for review. ACRS meeting tentatively scheduled for 11/30.</p> <ul style="list-style-type: none"> <li>• WCAP is not applicable to China. Separate technical report was generated for China.</li> </ul>





# Questions/Comments/Notes

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